Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/24/2022 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124554	-1	5.40	124541	5.36
Blue	F	SSC	125000	123645	-2	5.62	124209	5.55
Blue	E	FITC	13602	13035	-5	5.66	364	15.24
Blue	D	PE	24891	24435	-2	5.62	579	12.17
Blue	B	PerCP-Cy5-5	33972	33047	-3	6.12	940	16.60
Blue	A	PE-Cy7	22865	22747	-1	8.08	476	32.80
Red	C	APC	47198	46530	-2	5.01	1605	13.06
Red	A	APC-Cy7	26454	25587	-4	5.84	720	14.17
Violet	B	V450	6737	6429	-5	6.60 (1)	449	13.55
Violet	A	V500	29317	28153	-4	6.39	963	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23469	6.37	568	33	N/A	N/A	Pass
Blue	F	SSC	54285	5.65	523	2	N/A	N/A	Pass
Blue	E	FITC	53	60.11	491	7	0.0385	189	Pass
Blue	D	PE	111	42.36	495	9	0.3857	358	Pass
Blue	B	PerCP-Cy5-5	145	45.51	590	11	0.0178	105	Pass
Blue	A	PE-Cy7	77	87.86	638	17	0.0202	11	Pass
Red	C	APC	331	28.00	582	10	0.0232	127	Pass
Red	A	APC-Cy7	132	39.81	561	10	0.0056	1902	Pass
Violet	B	V450	76	52.46	448	-2	0.0477	2485	Pass
Violet	A	V500	111	37.46	468	-1	0.0229	1545	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.44	-31.24	1.17
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.08	13.90 - 20.86	N/A	N/A	29.84	29.98	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9756

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments